

Title (en)
Spreading code generator and CDMA communication system

Title (de)
Spreizsequenzgenerator und CDMA-Übertragungssystem

Title (fr)
Générateur de code d'étalement et système de transmission CDMA

Publication
EP 0756395 A2 19970129 (EN)

Application
EP 96111548 A 19960717

Priority
JP 19206295 A 19950727

Abstract (en)
A spreading code generator generates a spreading code by modulo-two addition of two internal spreading codes. The first internal spreading code is part of a pseudorandom noise sequence, created by resetting a pseudorandom noise generator to an assigned initial state at intervals determined by counting a framing signal. The second spreading code is selected from a set of preferably orthogonal sequences, the selected sequence being repeated at intervals shorter than the period of the framing signal. A code-division multiple-access communication system employs this spreading code generator to generate all spreading codes used at all communicating stations. One of the spreading codes generated at each station is transmitted as a synchronization signal. <IMAGE>

IPC 1-7
H04J 13/00

IPC 8 full level
H04B 1/707 (2006.01); **H04B 7/26** (2006.01); **H04J 11/00** (2006.01); **H04J 13/00** (2006.01); **H04J 13/04** (2006.01); **H04J 13/10** (2011.01); **H04W 56/00** (2009.01); **H04W 72/04** (2009.01)

CPC (source: EP KR US)
H04B 1/707 (2013.01 - EP US); **H04J 13/0022** (2013.01 - EP US); **H04J 13/10** (2013.01 - EP US); **H04J 13/12** (2013.01 - KR)

Cited by
GB2560569A; DE10306301B3; GB2337669A; US6112094A; GB2337669B; US10892843B2; US10841034B2

Designated contracting state (EPC)
DE FR SE

DOCDB simple family (publication)
EP 0756395 A2 19970129; **EP 0756395 A3 19990707**; **EP 0756395 B1 20040225**; CA 2181637 A1 19970128; DE 69631623 D1 20040401; DE 69631623 T2 20041223; JP 3483991 B2 20040106; JP H0946317 A 19970214; KR 100420404 B1 20040612; KR 970008940 A 19970224; US 5920591 A 19990706

DOCDB simple family (application)
EP 96111548 A 19960717; CA 2181637 A 19960719; DE 69631623 T 19960717; JP 19206295 A 19950727; KR 19960030635 A 19960726; US 67992596 A 19960715